

ABSTRACT

$e^{j(2\pi n/N)}$ calculating section 101 generates a b th chip
 $C(a,b)$ of an a th spreading code based on $C(a,b)=e^{j(2\pi n/N)}$
 where e is a base of natural logarithm and N is a length
 5 of the spreading code (i.e. spreading code length). It
 is assumed in the above equation that $n=a \times b$, $a=0 \sim N-1$,
 and $b=0 \sim N-1$. It is thereby possible to generate
 orthogonal spreading codes with arbitrary lengths.